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FIRST NAMED INVENTOR ATTORNEY DOCKET NO. APPLICATION NO. FILING DATE CONFIRMATION NO. Richard G. Sheets SR. 37809-0022 10/720.761 11/25/2003 2776 EXAMINER 26633 7590 06/22/2004 HELLER EHRMAN WHITE & MCAULIFFE LLP HRUSKOCI, PETER A 1666 K STREET, NW ART UNIT PAPER NUMBER SUITE 300 WASHINGTON, DC 20006 1724

DATE MAILED: 06/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/720,761	SHEETS, RICHARD G.
Office Action Summary	Examiner	Art Unit
The MAN WO DATE And	Peter A. Hruskoci	1724
The MAILING DATE of this communication app Period for Reply	bears on the cover sheet wi	tn the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period volume to reply within the set or extended period for reply will, by statute any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a r y within the statutory minimum of thin will apply and will expire SIX (6) MON t, cause the application to become AE	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. IANDONED (35 U.S.C. § 133).
Status		
 1) Responsive to communication(s) filed on 22 A 2a) This action is FINAL. / 2b) This 3) Since this application is in condition for alloware closed in accordance with the practice under E 	action is non-final. nce except for formal matt	ers, prosecution as to the merits is
Disposition of Claims		
 4) Claim(s) 1-34 is/are pending in the application. 4a) Of the above claim(s) 24-34 is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-23 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-34 are subject to restriction and/or extraction. 	vn from consideration.	
Application Papers		
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example.	epted or b) objected to drawing(s) be held in abeyant ion is required if the drawing	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in A rity documents have been u (PCT Rule 17.2(a)).	pplication No received in this National Stage
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application (PTO-152)

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Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-23, drawn to a process, classified in class 210, subclass 665.

II. Claims 24-34, drawn to a system, classified in class 210, subclass 192.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the system as claim can be used to practice a materially differ process such as a hydrocarbon recovery process.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification and recognized divergent subject matter, restriction for examination purposes as indicated is proper.

During a telephone conversation with Marvin A. Motsenbocker on 6/7/04 a provisional election was made without traverse to prosecute the invention of Group I, claims 1-23.

Affirmation of this election must be made by applicant in replying to this Office action. Claims 24-34 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

The disclosure is objected to because of the following informalities: In the specification on page 22 line 14 "BinderIn" appears to be erroneous.

Appropriate correction is required.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6, 11-16, and 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toth et al. 4,340,488 in view of Kantardjieff 6,387,267. Toth et al. disclose (see col. 2 line 21 through col. 4 line 18) a process for removing volatile gas from wet sludge and concentration of watery sludge substantially as claimed. The claims differ from Toth et al. by reciting a step for adding zeolite to the sludge. Kantardjieff disclose (see col. 1 line 5 through col. 4 line 28) that it is known in the art to add zeolite to semi-solid pig farm waste to aid in fixing ammonia and producing fertilizer. It would have been obvious to one skilled in the art to modify the process of Toth et al. by utilizing the recited step for adding zeolite in view of the teachings of Kantardjieff, to aid in fixing ammonia and producing fertilizer. The specific amount of ultrasonic energy delivered, zeolite and ratio added, and temperature utilized, would have been an obvious matter of process optimization to one skilled in the art, depending on the specific sludge treated and results desired, absent a sufficient showing of unexpected results.

Claims 17, 18, and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toth et al. 4,340,488 in view of Kantardjieff 6,387,267 as above, and further in view of Cizek et al. 5,232,429 and Asada et al. 4,559,143. The claims differ from the references as applied above by reciting that the treated sludge in the geotextile is becomes concentrated by gravity action or is exposed to a vacuum. Cizek et al. disclose (see col. 4 line 5-64, and col. 10 line 35 through col. 11 line 3) that it is known in the art to utilize a water-permeable bag made of a geotextile to aid in draining water from the sludge. Asada et al. disclose (see col. 4 line 42 through col. 8 line

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21) that it is known in the art to utilize vacuum and gravity filtration to aid in dewatering sludge. It would have been obvious to one skilled in the art to modify the references as applied above by utilizing the recited geotextile and gravity action or vacuum in view of the teachings of Cizek et al. and Asada et al. respectively, to aid in dewatering the sludge.

Claims 19 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Toth et al. 4,340,488 in view of Kantardjieff 6,387,267 as above, and further in view of Edwards 3,772,188. The claims differ from the references as applied above by reciting a step for adding oxidant prior to ultrasonication. Edwards disclose (see col. 8 line 65 through col. 10 line 2) that it is known in the art to add an oxidant such as ozone to sewage in a treatment vessel including ultrasonic wave producing devices to increase the transfer of oxygen for sterilizing the sewage. It would have been obvious to one skilled in the art to modify the references as applied above by utilizing the recited step for adding an oxidant in view of the teachings of Edwards, to aid in sterilizing the sludge. The specific amount of ultrasonic energy delivered, and the specific zeolite and ratio added, would have been an obvious matter of process optimization to one skilled in the art, depending on the specific sludge treated and results desired, absent a sufficient showing of unexpected results.

Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Toth et al.
4,340,488 in view of Kantardjieff 6,387,267 as above, and further in view of Cizek et al.
5,232,429 and Argyll 4,046,689. It is noted that Kantardjieff as applied above utilizes granulation and air drying of the semi-solid waste to produce fertilizer. The claim differs from the references as applied above by reciting that the treated sludge in the geotextile is transported by truck to a site for air drying and pulverization into fertilizer. Cizek et al. disclose (see col. 4)

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line 5-64, and col. 10 line 35 through col. 11 line 3) that it is known in the art to utilize a water-permeable bag made of a geotextile to aid in draining water from the sludge. Argyll disclose (see col. 1 line 46 through col. 2 line 65) that it is known in the art to utilize a truck to dry sludge and transfer the dried sludge to a fertilizer plant. It would have been obvious to one skilled in the art to modify the references as applied above by utilizing the recited geotextile and truck in view of the teachings of Cizek et al. and Argyll respectively, to aid in dewatering the sludge and transporting the sludge to a site for producing fertilizer.

Claims 7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Edwards 3,772,188 in view of Kantardjieff 6,387,267. Edwards disclose (see col. 8 line 65 through col. 10 line 2) a process for adding an oxidant such as ozone to a sludge waste stream substantially as claimed. The claims differ from Edwards by reciting a step for adding zeolite to the sludge waste stream. Kantardjieff disclose (see col. 1 line 5 through col. 4 line 28) that it is known in the art to add zeolite to semi-solid pig farm waste to aid in fixing ammonia and producing fertilizer. It would have been obvious to one skilled in the art to modify the process of Edwards by utilizing the recited step for adding zeolite in view of the teachings of Kantardjieff, to aid in fixing ammonia and producing fertilizer. The specific amount of ultrasonic energy delivered, would have been an obvious matter of process optimization to one skilled in the art, depending on the specific sludge treated and results desired, absent a sufficient showing of unexpected results.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter A. Hruskoci whose telephone number is (571) 272-1160. The examiner can normally be reached on Monday through Friday from 6:30AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Blaine Copenheaver can be reached on (571) 272-1156. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Peter A. Hruskoci Primary Examiner Art Unit 1724

6/21/04